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laminar fluid adhere electrostatic

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Interaction of electrostatic and fluid dynamic fields in wire—plate electrostatic precipitators

GA Kallio, DE Stock - Journal of Fluid Mechanics Digital Archive, 2006 - Cambridge Univ Press

... The particles **adhere** ... the electric wind to produce a highly complex **fluid dynamic** field ... **laminar**, two-dimensional Navier-Stokes equations with electric body force ...

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Electrostatic air cleaning device

IA Krichtafovitch, VL Gorobets - US Patent App. 10/752,530, 2004 - Google Patents

... attractive force causing the particles to **adhere** to the ... eg, maintain and/or encourage a **laminar flow**), while a ... of electrodes 101 through which a **fluid**, such as ...

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METHOD OF OPERATING AN ELECTROSTATIC AIR CLEANING DEVICE

IA Krichtafovitch, VL Gorobets... - US Patent App. 11/612,270, 2006 - Google Patents

... attractive force causing the particles to **adhere** to the ... eg, maintain and/or encourage a **laminar flow**), while a ... of electrodes 101 through which a **fluid**, such as ...

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Adhesion of Lactobacillus species in urine and phosphate buffer to silicone rubber and glass under ...

KW Millsap, G Reid, HC Van der Mei, HJ Busscher - Biomaterials, 1997 - Elsevier

... Reynolds number of 1, well within the **laminar flow regime** ... Urine as a suspending **fluid** had the effect of ... that some of the hydrophilic strains do **adhere** in urine ...

Cited by 23 - [Related articles](#) - [Web Search](#) - [BL Direct](#) - All 4 versions
Microbubble-induced detachment of coadhering oral bacteria from salivary pellicles. - ► [luth.se](#) [PDF]

PK Sharma, MJ Gibcus, HC van der Mei, HJ Busscher - European journal of oral sciences, 2005 - pt.wkhealth.com

... of different strains and species, known to **adhere** in a ... only settings 1, 3 and 5, with **fluid flow rates** ... Reynolds numbers of 595-893, indicating **laminar flow** and ...

Cited by 2 - [Related articles](#) - [Web Search](#) - [BL Direct](#) - All 6 versions
LAMINAR FLOW FLUID FILTER

JD Bode - US Patent 3,700,111, 1972 - Google Patents

... be at the being carried with the **fluid** around the ... region opposite the downstream end of **laminar flow** course ... target surface adjacent point 116 **adhere** thereto it ...

Cited by 5 - [Related articles](#) - [Web Search](#) - All 2 versions
Describing hydrodynamic particle removal from surfaces using the particle Reynolds number

GM Burdick, NS Berman, SP Beaudoin - Journal of Nanoparticle Research, 2001 - Springer

... When a stream of **fluid** is passed over a surface ... dependent on the flow conditions near the **adhering** particle. ... For micron-size particles in a **laminar flow** field a ...

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Detachment of spherical microparticles adhering on flat surfaces by hydrodynamic forces

SG Ylantsios, AJ Karabelas - Journal of Colloid and Interface Science, 1995 - Elsevier

... through well-known hydrodynamic relations for **laminar channel flow** ... applied were removed when the test **fluid** in the ... the particles appeared not to **adhere** at all ...

Cited by 24 - [Related articles](#) - [Web Search](#) - [BL Direct](#) - All 5 versions
Modeling nonelectrostatic and electrostatic powder coating

S Yousuf, SA Barringer - Journal of Food Engineering, 2007 - Elsevier

... to ensure that all particles would **adhere** to the ... balancing the drag, gravitational and **electrostatic** forces. ... for small particles in **laminar fluid flow** (Bueche ...

Cited by 3 - [Related articles](#) - [Web Search](#) - [Library Search](#)
Surface Aggregation of Candida albicans on Glass in the Absence and Presence of Adhering Streptococcus ...

KW Millsap, R Bos, HJ Busscher, HC van der Mei - Journal of colloid and interface science, 1999 - Elsevier

... angles with liquids and the **electrostatic** interactions from ... Streptococcus gordonii